Take Test: Quiz 4.1

Test Information

Description	
Instructions	
Multiple Attempts	This test allows multiple attempts.
Force Completion	This test can be saved and resumed later.

QUESTION 1

1 points Saved

Where are the zeros of the transfer function, $G(s) = \frac{s+3}{(s+1)(s+4)}$, located?.

- $s = -1$ and $s = -4$
- $s = +3$
- **$s = -3$**
- $s = 1$ and $s = 4$

QUESTION 2

1 points Saved

Where are the poles of the transfer function, $G(s) = \frac{s+3}{(s+1)(s+4)}$,

located?.

- ○ $s = +3$
- ○ $s = -3$
- ◉ $s = -1$ and $s = -4$
- ○ $s = 1$ and $s = 4$

QUESTION 3

1 points Saved

Consider the transfer function $G(s) = \frac{N(s)}{D(s)}$. Which of the following statements are correct? (More than one answer may be selected.)

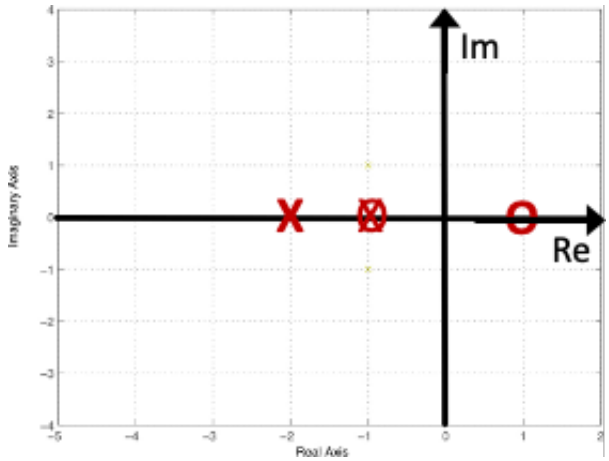
- ☐ Zeros occur at values of s for which $D(s) = 0$.
- ☑ Poles occur at values of s for which $D(s) = 0$.
- ☐ Poles occur at values of s for which $N(s) = 0$.
- ☑ Zeros occur at values of s for which $N(s) = 0$.

QUESTION 4

1 points Saved

Which of the following pole-zero maps depict the transfer function $G(s) = \frac{s^2 + 1}{(s+1)(s+2)}$?

Question Completion Status: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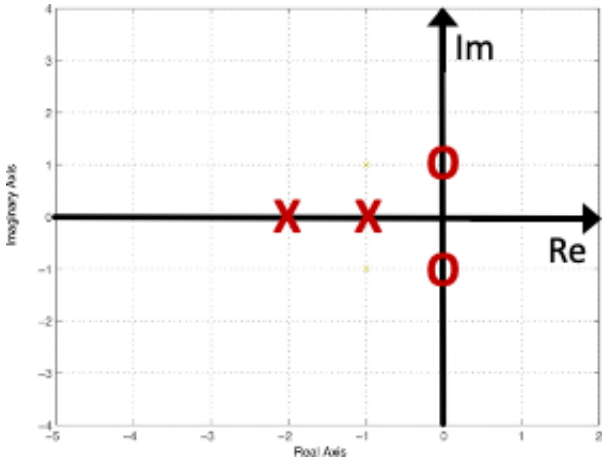
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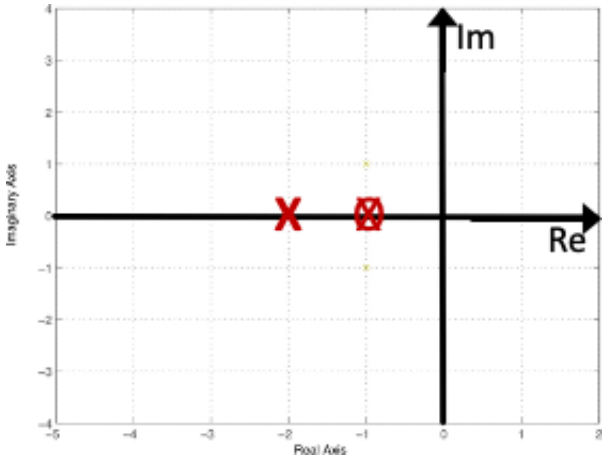
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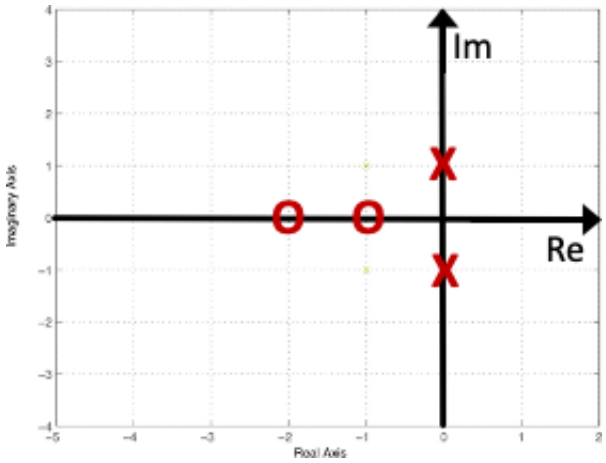

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers Save and Submit